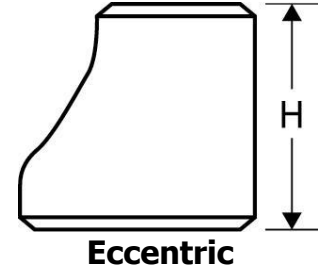
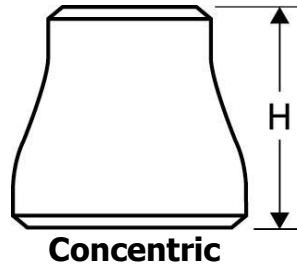




Concentric & Eccentric Reducers
SCHEDULE 160
Inches / Pounds



Nominal Pipe Size	Length (H)	Large End			Small End			Approximate Weight (in Pounds)
		Outside Diameter	Inside Diameter	Wall Thickness	Outside Diameter	Inside Diameter	Wall Thickness	
3/4 x 1/2	1.5	1.030	0.592	0.219	0.840	0.464	0.188	0.22
1 x 1/2	2	1.315	0.815	0.250	0.840	0.464	0.188	0.39
1 x 3/4	2	1.315	0.815	0.250	1.030	0.592	0.219	0.43
1 1/4 x 1/2	2	1.660	1.160	0.250	0.840	0.464	0.188	0.50
1 1/4 x 3/4	2	1.660	1.160	0.250	1.030	0.592	0.219	0.53
1 1/4 x 1	2	1.660	1.160	0.250	1.315	0.815	0.250	0.58
1 1/2 x 1/2	2.5	1.900	1.338	0.281	0.840	0.464	0.188	0.78
1 1/2 x 3/4	2.5	1.900	1.338	0.281	1.030	0.592	0.219	0.82
1 1/2 x 1	2.5	1.900	1.338	0.281	1.315	0.815	0.250	0.88
1 1/2 x 1 1/4	2.5	1.900	1.338	0.281	1.660	1.160	0.250	0.95
2 x 3/4	3	2.375	1.687	0.344	1.030	0.592	0.219	1.42
2 x 1	3	2.375	1.687	0.344	1.315	0.815	0.250	1.50
2 x 1 1/4	3	2.375	1.687	0.344	1.660	1.160	0.250	1.58
2 x 1 1/2	3	2.375	1.687	0.344	1.900	1.338	0.281	1.67
2 1/2 x 1	3.5	2.875	2.125	0.375	1.315	0.815	0.250	2.25
2 1/2 x 1 1/4	3.5	2.875	2.125	0.375	1.660	1.160	0.250	2.34
2 1/2 x 1 1/2	3.5	2.875	2.125	0.375	1.900	1.338	0.281	2.45
2 1/2 x 2	3.5	2.875	2.125	0.375	2.375	1.687	0.344	2.71
3 x 1	3.5	3.500	2.624	0.438	1.315	0.815	0.250	3.10
3 x 1 1/4	3.5	3.500	2.624	0.438	1.660	1.160	0.250	3.19
3 x 1 1/2	3.5	3.500	2.624	0.438	1.900	1.338	0.281	3.30
3 x 2	3.5	3.500	2.624	0.438	2.375	1.687	0.344	3.56
3 x 2 1/2	3.5	3.500	2.624	0.438	2.875	2.125	0.375	3.81



Concentric & Eccentric Reducers – Schedule 160 (Continued)

Nominal Pipe Size	Length (H)	Large End			Small End			Approximate Weight (in Pounds)
		Outside Diameter	Inside Diameter	Wall Thickness	Outside Diameter	Inside Diameter	Wall Thickness	
4 X 1	4	4.500	3.438	0.531	1.315	0.815	0.250	5.4
4 X 1 ¼	4	4.500	3.438	0.531	1.660	1.160	0.250	5.5
4 x 1 ½	4	4.500	3.438	0.531	1.900	1.338	0.281	5.6
4 x 2	4	4.500	3.438	0.531	2.375	1.687	0.344	5.9
4 x 2 ½	4	4.500	3.438	0.531	2.875	2.125	0.375	6.2
4 x 3	4	4.500	3.438	0.531	3.500	2.624	0.438	6.7
5 X 2	5	5.562	4.312	0.625	2.375	1.687	0.344	10
5 X 2 ½	5	5.562	4.312	0.625	2.875	2.125	0.375	11
5 X 3	5	5.562	4.312	0.625	3.500	2.624	0.438	11
5 X 4	5	5.562	4.312	0.625	4.500	3.438	0.531	12
6 X 2	5.5	6.625	5.187	0.719	2.375	1.687	0.344	15
6 X 2 ½	5.5	6.625	5.187	0.719	2.875	2.125	0.375	16
6 X 3	5.5	6.625	5.187	0.719	3.500	2.624	0.438	16
6 X 4	5.5	6.625	5.187	0.719	4.500	3.438	0.531	18
6 X 5	5.5	6.625	5.187	0.719	5.562	4.312	0.625	19
8 X 3	6	8.625	6.813	0.906	3.500	2.624	0.438	28
8 X 4	6	8.625	6.813	0.906	4.500	3.438	0.531	29
8 X 5	6	8.625	6.813	0.906	5.562	4.312	0.625	31
8 X 6	6	8.625	6.813	0.906	6.625	5.187	0.719	33
10 X 4	7	10.750	8.500	1.125	4.500	3.438	0.531	50
10 X 5	7	10.750	8.500	1.125	5.562	4.312	0.625	52
10 X 6	7	10.750	8.500	1.125	6.625	5.187	0.719	55
10 X 8	8	10.750	8.500	1.125	8.625	6.813	0.906	69
12 X 4	8	12.750	10.126	1.312	4.500	3.438	0.531	77
12 X 5	8	12.750	10.126	1.312	5.562	4.312	0.625	80
12 X 6	8	12.750	10.126	1.312	6.625	5.187	0.719	82
12 X 8	8	12.750	10.126	1.312	8.625	6.813	0.906	89
12 X 10	8	12.750	10.126	1.312	10.750	8.500	1.125	98
14 X 6	13	14.000	11.188	1.406	6.625	5.187	0.719	155
14 X 8	13	14.000	11.188	1.406	8.625	6.813	0.906	166
14 X 10	13	14.000	11.188	1.406	10.750	8.500	1.125	181
14 X 12	13	14.000	11.188	1.406	12.750	10.126	1.312	197



Concentric & Eccentric Reducers – Schedule 160 (Continued)

Nominal Pipe Size	Length (H)	Large End			Small End			Approximate Weight (in Pounds)
		Outside Diameter	Inside Diameter	Wall Thickness	Outside Diameter	Inside Diameter	Wall Thickness	
16 X 6	14	16.000	12.812	1.594	6.625	5.187	0.719	211
16 X 8	14	16.000	12.812	1.594	8.625	6.813	0.906	223
16 X 10	14	16.000	12.812	1.594	10.750	8.500	1.125	239
16 X 12	14	16.000	12.812	1.594	12.750	10.126	1.312	256
16 X 14	14	16.000	12.812	1.594	14.000	11.188	1.406	268
18 X 10	15	18.000	14.438	1.781	10.750	8.500	1.125	309
18 X 12	15	18.000	14.438	1.781	12.750	10.126	1.312	328
18 X 14	15	18.000	14.438	1.781	14.000	11.188	1.406	340
18 X 16	15	18.000	14.438	1.781	16.000	12.812	1.594	364
20 X 10	20	20.000	16.062	1.969	10.750	8.500	1.125	492
20 X 12	20	20.000	16.062	1.969	12.750	10.126	1.312	517
20 X 14	20	20.000	16.062	1.969	14.000	11.188	1.406	533
20 X 16	20	20.000	16.062	1.969	16.000	12.812	1.594	565
20 X 18	20	20.000	16.062	1.969	18.000	14.438	1.781	601
24 X 16	20	24.000	19.312	2.344	10.750	8.500	1.125	676
24 X 18	20	24.000	19.312	2.344	12.750	10.126	1.312	701
24 X 20	20	24.000	19.312	2.344	14.000	11.188	1.406	717
30 X 18	24	24.000	19.312	2.344	16.000	12.812	1.594	749
30 X 20	24	24.000	19.312	2.344	18.000	14.438	1.781	784
30 X 24	24	24.000	19.312	2.344	20.000	16.062	1.969	824

*** Dimensions conform to ASME B16.9 & material conforms to ASTM SA-234 Grade B.**